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(54) STEP ATTENUATOR

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a step attenuator capable of minimizing a phase shift in a through state and an attenuation state.

SOLUTION: This attenuator is composed of resistors 5, 6, 7 and 9, on MOSFET 10 and a phase compensating circuit 13 including resistors 11 and 12 corresponding to an input terminal 1, an output terminal 2 and control terminals 3 and 4, and the resistors 7 and 9 and an FET 8 forms an attenuation switch setting circuit. The shift quantity of passing phase at the time of through operation and the time of attenuation operation is restrained at a minimum via a control signal to the control terminal 3 of the aforementioned attenuation switch setting circuit and the control terminal 4 of the phase compensating circuit 13.

